

IN THE CLAIMS:

Please amend claims 1-11, and 13-21 as follows:

1. (Currently amended) A network connection apparatus using an internet phone, comprising:

an internet phone main unit usable as an ordinary telephone or an internet phone in accordance with an operation of a user[[ ]];

a function extending unit for interfacing function packs performing an independent function respectively with a network CPU unit[[ ]]; and

the [[a]] network CPU unit for controlling an audio signal ~~transmitted/received~~ communicated through a PSTN and controlling a signal received from a network by controlling the internet phone main unit and function extending unit.

2. (Currently amended) The network connection apparatus using the internet phone according to claim 1, wherein the internet phone main unit comprises[[ ]]:

a LCD module for displaying a telephone number and ~~various~~ control information[[ ]];

a keypad module for inputting a telephone number and ~~various~~ information[[ ]];

a codec module for modulating an audio signal inputted from outside[[ ]];

a speaker module for inputting and outputting an audio[[ ]]; and

a ~~transceiver~~receiver module for communicating with [[the]] another person.

3. (Currently amended) The network connection apparatus using the internet phone according to claim 1, wherein the network CPU unit comprises[[ ]]:

a network CPU module for controlling/executing a signal inputted/outputted from/to the PSTN or network[[ ]];

a PSTN module for detecting a ring signal inputted from the PSTN, converting an analog audio signal inputted from outside into a digital signal (PCM), and transmitting it to the network CPU module[[ ]];

a memory module for storing a file and an application code for executing a signal inputted to the network CPU unit[[ ]];

a PCI module for arbitrating various devices installed to slots of the function extending unit and data[[ ]]; and

a USB module for making extension-connection with a peripheral device easily.

4. (Currently amended) The network connection apparatus using the internet phone according to claim 3, wherein the memory module comprises[[ ]]:

a ROM unit for storing data for initializing a state of the network CPU module[[ ]];

a RAM unit for storing an application program for executing data transmitted to the network CPU module[[ ]]; and

a cache unit for improving execution speed of the network CPU module and communication execution speed.

5. (Currently amended) The network connection apparatus using the internet phone according to claim 3, wherein the network CPU module converts a signal inputted ~~from~~ from the PSTN into a packet format, adapts a protocol corresponding to a pertinent IP phone, performs routing in data transmission, and controls/executes a signal related to each PCI pack.

6. (Currently amended) The network connection apparatus using the internet phone according to claim 3, wherein the PCI module [[can]] directly inputs/outputs a packet to each function pack of the function extending unit, accordingly, allowing the PCI module to be both for ~~it can be~~ a master and a target at the same time.

7. (Currently amended) The network connection apparatus using the internet phone according to claim 1, wherein the network CPU unit contacts to the network [[by]] using a real-time operating system.

8. (Currently amended) The network connection apparatus using the internet phone according to claim 1, wherein the function extending unit is constructed with a plurality of slots for inserting various function packs, ~~and the number of slots can increase variably.~~

9. (Currently amended) The network connection apparatus using the internet phone according to claim 1, wherein the function extending unit comprises:

a network interface pack for transmitting data inputted from an internet leased-line to the other function pack or the network CPU[[ ]];

a wireless LAN pack for constructing a network with each terminal wirelessly[[ ]];

an IEEE 1394 pack for connecting directly to a peripheral device having wide data transmission bandwidth[[ ]];

a graphic-sound pack for displaying a graphic and an audio inputted from a communication cable or a network[[ ]];

an extension graphic-sound pack for decreasing load of a CPU for outputting a graphic/audio in execution of a higher graphic and sound program[[ ]]; and

an additional CPU pack for performing a large scale program which is difficult to perform with the network CPU module.

10. (Currently amended) The network connection apparatus using the internet phone according to claim 9, wherein the additional CPU pack can operate as an independent PC, and comprises a power button for saving power and a reset button in preparation for ~~wrong~~ correcting operation of a CPU.

11. (Currently amended) The network connection apparatus using the internet phone according to claim 9, wherein the peripheral device connected to the IEEE 1304 pack ~~can be~~ is selected from a group consisting of a printer, a CD-ROM, a TV, a hard disk, ~~[[or]]~~ and a DVD disk.

12. (Original) The network connection apparatus using the internet phone according to claim 9, wherein the function extending unit operates as a multifunction digital network unit.

13. (Currently amended) The network connection apparatus using the internet phone according to claim 9, wherein the network connection apparatus using the internet phone has a ~~can be~~ miniaturized size ~~size~~ [[by]] through combining common parts used in each function pack of the function extending unit into one unit.

14. (Currently amended) A network connection method using an internet phone, comprising:

setting up a call when an audio signal is transmitted from outside through a PSTN/IP network~~[[ ]]~~;

sampling the transmitted analog audio signal with a PCM digital signal in the PSTN~~[[ ]]~~;

~~[[judging]]~~ determining whether the call ~~[[is]]~~ has a wired or wireless connection ~~ected by~~ ~~wire or wireless~~ in accordance with an IP or a device address of the sampled PCM digital signal~~[[ ]]~~;and

transmitting the sampled PCM digital signal to ~~[[the]]~~ an internet phone main unit when the call ~~[[it]]~~ is judged as from the wired connection or transmitting ~~[[it]]~~ the sampled PCM digital signal to the PCI module when ~~[[it]]~~ the call is judged as from the wireless connection.

15. (Currently amended) The network connection method using the internet phone according to claim 14, wherein ~~[[the]]~~ transmitting ~~process for transmitting~~ the sampled PCM digital signal ~~to the PCI module~~ comprises the steps of:

converting the PCM digital signal transmitted to the PCI into an IP packet~~[[ ]]~~; and

transmitting the IP packet to an internet phone corresponding to a ~~[[certain]]~~ specified IP address through a wireless LAN pack.

16. (Currently amended) The network connection method using the internet phone according to claim 15, wherein it is possible to communicate with each internet phone independently by routing of ~~[[the]]~~ a network CPU unit when there ~~[[is]]~~ are several internet phones and an independent IP address is allocated to the each internet phone in the

transmitting step for transmitting the IP packet to the internet phone corresponding to the ~~certain~~ specified IP address.

17. (Currently amended) The network connection method using the internet phone according to claim 14, wherein ~~the setting-up process~~ for setting up the call further comprises inputting the audio signal transmitted through the IP network through a network interface pack ~~[[as]]~~ in a packet format.

18. (Currently amended) In a method for originating a call by using an internet phone, a network connection method using an internet phone, comprising[[ ]]:

pressing a certain keypad of a PSTN set as a default in a network CPU module by a user or selecting an internet phone in a menu on a LCD screen by a user;

inputting an IP address of the other party[[ ]]; ~~and~~

originating a call by setting up a VOIP-related protocol by the inputted IP address, and selecting a function extending unit for interfacing function packs performing an independent function respectively with a network CPU unit.

19. (Currently amended) A network connection method using an internet phone, comprising[[ ]]:

accessing ~~[[to]]~~ the internet ~~[[by]]~~ using a network CPU unit through a network interface pack when a user requests the internet contact[[ ]]; and

displaying data received ~~[[to]]~~ at ~~[[the]]~~ a network interface pack on a TV through a graphic-sound pack by using an execution program ~~[[etc.]]~~ of the network CPU unit or listening to the data received with an audio unit.

20. (Currently amended) The network connection method using the internet phone according to claim 19, wherein displaying or listening ~~process~~ comprises the step of[[ ]]:

outputting all inputted/outputted signals to an additional CPU pack through a PCI bus ~~[[by]]~~ through recogni~~[[zing]]~~ tion of an additional CPU pack of a function extending unit as a

destination IP address of an IP header by the network CPU unit when the bandwidth of [[the]] transmitted data is wide.

21. (Currently amended) The network connection method using the internet phone according to claim 20, wherein the additional CPU pack ~~may not have an independent IP address by pass[[ing]]es~~ all network functions to the network CPU unit and does not obtain an independent IP address or ~~it may directly communicates~~ with the network interface pack by ~~having~~ using an independent IP address according to an application program and a PCI protocol.